

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	shape adj "parameter.beta.1.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:58
L2	0	shape adj "parameter .beta.1.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:58
L3	0	"parameter .beta.1.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:58
L4	0	"parameter.beta.1.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:58
L5	1247	(shape adj parameter)".beta.1.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:59
L6	1152	(shape adj parameter)".beta.1.2 to 2.6"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:59
L7	1152	(shape adj parameter)".beta.1.2 to 2.6" and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:59
L8	1152	(shape adj parameter)".beta.1.2 to 2.6" and bearing and particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:59
L9	1152	(shape adj parameter)".beta.1.2 to 2.6" and bearing and particle and copper and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 10:59
L10	1152	(shape adj parameter)".beta.1.2 to 2.6" with particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:00
L11	105	"508" and (shape adj parameter)".beta.1.2 to 2.6"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:01
L12	2	schubert and bickle and strifler	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:02
L13	0	(shape adj parameter) adj ".beta.1.2 to 2.6" with particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:03
L14	1152	(shape adj parameter) ".beta.1.2 to 2.6" with particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:03
L15	0	(shape adj parameter) and ".beta.1.2 to 2.6" with particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:04

L16	1152	(shape adj parameter)" .beta.1.2 to 2.6" with particle	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:04
L19	0	D/N and (particle adj shape adj parameter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:26
L20	6	(particle adj shape adj parameter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:26
L21	48	particle with (shape adj parameter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 11:27
S1	71	508/103	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:07
S2	1	508/103 and bismuth and zinc and copper and impur\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:08
S3	5	508/103 and bismuth and zinc and copper	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:30
S4	82	bear\$4 and bismuth and zinc and copper and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:38
S5	0	bear\$4 and bismuth and zinc and copper and ((grain or particle) near bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:40
S6	6	((grain or particle) near bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:41
S7	134	((grain or particle) same bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:41
S8	1	(slide adj bear\$3) and (support adj layer) and (lead adj free) and (sinter\$3 adj metal\$4) and tin and bismuth and zinc and copper	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:48
S9	1	(slide adj bear\$3) and (lead adj free) and (sinter\$3 adj metal\$4) and tin and bismuth and zinc and copper	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:49
S10	4	(slide adj bear\$3) and (lead) and (sinter\$3 adj metal\$4) and tin and bismuth and zinc and copper	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:49
S11	1	("4394275").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:55
S12	3	508/103 and (lead adj free)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 09:56
S13	55	508/103 and (free adj\$3 lead)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 10:00

S14	6	508/103 and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 10:13
S15	711	bismuth and zinc and copper and bear\$3 and sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 10:13
S16	13	bismuth and zinc and copper and bear\$3 and (sinter\$3 near (power or grain or particle))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 10:14
S17	45	bismuth and zinc and copper and bear\$3 and (sinter\$3 adj metal \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 10:17
S18	2	"6465089"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:28
S19	2	("5024882").PN. OR ("6465089").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:29
S20	1	bearing and bismuth and zinc and copper and bear\$3 and (sinter\$3 near (power or grain or particle))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 11:30
S21	0	bearing and bismuth and zinc and copper and bear\$3 and (sinter\$3 near metal\$4)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 11:30
S22	4	bearing and bismuth and zinc and copper and bear\$3 and (sinter\$3 same metal\$4)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 11:31
S23	1	2002-715372.NRAN.	DERWENT	OR	OFF	2009/01/12 11:37
S24	4	"6602615"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:40
S25	4	("5286444" "5429876").PN. OR ("6602615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:41
S26	1108	508/100,102,102,103,104,105,106,107,108,109.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:48
S27	30	S26 and (Cu or copper) and (Bi or bismuth) and (Sn or tin)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:48
S28	1151	shape adj parameter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:12

S29	12	(shape adj parameter) and DIN	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:12
S30	19	("DIN 66145") or ("DIN66145") or ("DIN-66145")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:14
S31	11	(grain or particle) adj (shape adj parameter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:55
S32	57	(grain or particle) with (shape adj parameter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:56
S33	20	(grain or particle) with (bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 12:58
S34	134	(grain or particle) same (bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:03
S35	3	((grain or particle) same (bulbous)) and ((Cu or copper) and (Sn or tin) and (Zn or zinc))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:03
S36	4	((grain or particle) same (bulbous)) and ((Cu or copper) and (Sn or tin))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:04
S37	31	((grain or particle) same (bulbous)) and (Cu or copper)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:05
S38	24	((grain or particle) same (bulbous)) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:05
S39	2229	dense\$4 adj sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:08
S40	5081	dens\$4 adj sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:08
S41	668	densely adj sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:09
S42	638	densely adj sintered	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:09
S43	1	(densely adj sintered) adj metal\$3 adj powder	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:09
S44	15	(densely adj sintered) adj metal\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:09
S45	57	(densely adj sintered) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:10

S46	190	metal\$4 near ((powder or particle) near shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:29
S47	209	metal\$4 near ((powder or particle or grain) near shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:30
S48	42	metal\$4 near ((powder or particle or grain) near shape) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:30
S49	1	"19728777"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:40
S50	6	"10032624"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:42
S51	14	"393234"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:47
S52	3	"3938234"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:48
S53	4	"3729414"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:50
S54	0	CuSn10B18	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:52
S55	0	CuSn10B18	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:52
S56	0	CuSn10i8	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:52

S57	0	CuSn10Bi8	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 14:52
S58	0	CuSnBi	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:52
S59	6	(grain or particle) near bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:53
S60	134	(grain or particle) same bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:53
S61	14909	(grain or particle) near shape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:55
S62	76	metal\$4 near (grain or particle) near shape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 14:55
S63	1850	bearing and (particle near shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:08
S64	2057	bearing and ((particle or grain) near shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:08
S65	12	bearing and (metal\$4 adj ((particle or grain) near shape))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:08
S66	98	bearing and (metal\$4 with ((particle or grain) near shape))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:09
S67	0	147/434	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:42
S68	151	148/434	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:42
S69	3	148/434 and ((particle or grain) adj shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:42
S70	4	148/434 and ((particle or grain) near shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:45
S71	18	148/434 and ((particle or grain) same shape)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 15:46
S72	0	148/434 and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:03

S73	1	S26 and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:05
S74	2	(metal adj powder) same bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:06
S75	0	(metal adj powder) same (particle or grain) same bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:07
S76	1	(metal adj powder) and ((particle or grain) same bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:07
S77	0	(particle or grain) adj bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:07
S78	6	(particle or grain) near bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:07
S79	20	(particle or grain) with bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:08
S80	1077	(particle or grain) and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:09
S81	293	(particle or grain) and bulbous and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:09
S82	132	(particle or grain) and bulbous and bearing and copper	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:09
S83	99	(particle or grain) and bulbous and bearing and copper and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:09
S84	6	bulbous adj (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:13
S85	20	bulbous with (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:13
S86	6	bulbous near (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:14
S87	134	bulbous same (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:14
S88	3	Cu\$N\$2B\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:18
S89	20	Cu\$2\$N\$4B\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:19

S90	27	Cu\$2SN\$4Bi\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:26
S91	5	Cu\$2SN\$4Bi\$3	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:30
S92	5	"2355016"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:30
S93	0	"1002004015827"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:31
S94	4	"2004015827"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:31
S95	29	Cu\$5SN\$9Bi\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:37
S96	141	420/470	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:38
S97	18	420/470 and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:39
S98	0	420/470 and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:43
S99	131	(copper adj alloy) and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:45
S100	6	(copper adj alloy) same bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:45
S101	0	(copper adj alloy) and ((particle or grain) with bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:45
S102	0	(copper adj alloy) and ((particle or grain) near bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:45
S103	0	(copper adj alloy) and ((particle or grain) same bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:45

S104	1	(copper with alloy) and ((particle or grain) same bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:46
S105	0	(copper near alloy) and ((particle or grain) same bulbous)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 16:46
S106	11	copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:08
S107	11	copper\$3tin\$3bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:10
S108	11	copper\$5tin\$5bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:11
S109	10	copper-tin-bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:11
S110	10	cu-sn-bi	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:11
S111	4	(gas adj atomized) near copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:12
S112	5	(gas adj atomized) with copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:12
S113	5	(gas adj atomized) same copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:12
S114	5	(water adj atomized) same copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:12
S115	5	(water-atomized) same copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:13
S116	5	(water-atomized) and copper\$2tin\$2bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:13
S117	1108	508/100,102,102,103,104,105,106,107,108,109.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:33
S118	9	S117 and (Cu or copper) and (Bi or bismuth) and (Sn or tin) and (particle with size)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:33
S119	15265	(Cu or copper) and (Bi or bismuth) and (Sn or tin) and ((particle or grain) with size)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:41
S120	2958	(Cu or copper) and (Bi or bismuth) and (Sn or tin) and ((particle or grain) with size) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:41

S121	20	((Cu or copper) and (Bi or bismuth) and (Sn or tin)) with ((particle or grain) with size)) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:42
S122	0	((Cu or copper) and (Bi or bismuth) and (Sn or tin)) near ((particle or grain) with size)) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:44
S123	217	((Cu or copper) and (Bi or bismuth) and (Sn or tin)) same ((particle or grain) with size)) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 18:45
S124	4182	bearing and (metal\$4 with ((particle or grain) near size))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:06
S125	152	bearing and (metal\$4 adj ((particle or grain) near size))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:06
S126	21	bearing and (metal\$4 adj ((particle or grain) near size)) and (Copper) and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:09
S127	53	(sintered with bearing) and ((particle or grain) near size) and (Copper or Cu) and bismuth	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:10
S128	612	metal\$4 near ((powder or particle or grain) near size) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:23
S129	86	metal\$4 near ((powder or particle or grain) near size) and bearing and (copper or cu) and (bismuth or bi)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:23
S130	837	bronze and (bi or bismuth) and bearing and (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:11
S131	151	bronze and ((bi or bismuth) with (particle or grain))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:12
S132	21	bronze with ((bi or bismuth) with (particle or grain))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:12
S133	0	bronze near ((bi or bismuth) near (particle or grain))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:13
S134	5611	(bronze or copper) and (bi or bismuth) and ((particle with size) or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:35
S135	2142	((bronze or copper) same (bi or bismuth)) and ((particle with size) or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:35
S136	326	((bronze or copper) same (bi or bismuth) same ((particle with size) or mesh)) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:35
S137	25	"4879094"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:45

S138	81939	(metal or powder) with (particle or grain) with (size or mesh)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:59
S139	10048	(metal or powder) with (particle or grain) with (size or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 08:59
S140	8	((bronze or copper) and bismuth) with (metal or powder) with (particle or grain) with (size or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:00
S141	0	((bronze or copper) and bismuth) near (metal or powder) near (particle or grain) near (size or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:02
S142	159	((bronze or copper) and bismuth) same (metal or powder) same (particle or grain) same (size or mesh) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:02
S143	62	((metal or bronze or copper) with (bismuth)) and bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:07
S144	6646	((metal or bronze or copper) with (bismuth)) and spher\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:09
S145	1526	((metal or bronze or copper) with (bismuth)) and ((particle or grain) with spher\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:09
S146	0	((metal or bronze or copper) with (bismuth)) near ((particle or grain) with spher\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:09
S147	49	((metal or bronze or copper) with (bismuth)) same ((particle or grain) with spher\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:09
S148	0	((metal or bronze or copper) with (bismuth)) same ((particle or grain) with (shape adj irregular))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:12
S149	0	((metal or bronze or copper) with (bismuth)) same ((particle or grain) with (shape adj oblong))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:12
S150	6	bulbous adj (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:13
S151	0	(particle or grain) adj bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:13
S152	20	(particle or grain) with bulbous	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:13
S153	20	bulbous with (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:14
S154	6	bulbous near (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:14

S155	134	bulbous same (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:14
S156	4352	(irregular adj shap\$3) same (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:14
S157	1643	(irregular adj shap\$3) with (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:14
S158	128	(irregular adj shap\$3) adj (particle or grain)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:15
S159	27	(irregular adj shap\$3) adj (particle or grain) and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 09:16

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